

Exception Analysis for Multimissions

ABSTRACT OF THE DISCLOSURE

A generalized formalism for diagnostics and prognostics in an instrumented system which can provide sensor data and discrete system variable takes into consideration all standard forms of data, both time-varying (sensor or extracted feature) quantities and discrete measurements, embedded physical and symbolic models, and communication with other autonomy-enabling components such as planners and schedulers. This approach can be adapted to on-board or off-board implementations with no change to the underlying principles.

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